

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1. (Currently Amended) A method of early diagnosing chronic rejection (CR) in a kidney transplanted test subject, comprising:

a) assaying as a baseline value the levels of expression of the nucleic acid sequences set forth in SEQ ID NOs:29, 30, 31, 32, 33, 34, 35, 36, 37, and 38, ~~mRNA transcribed therefrom or protein encoded thereby~~ in a renal allograft tissue biopsy obtained from a kidney transplanted control subject who is known not to develop CR;

b) assaying as a test value the levels of expression of the nucleic acid sequences set forth in SEQ ID NOs:29, 30, 31, 32, 33, 34, 35, 36, 37, and 38, ~~mRNA transcribed therefrom or protein encoded thereby~~ in a renal allograft tissue biopsy obtained from a kidney transplanted test subject within the first year post-transplantation; and

c) comparing the baseline value of step a) with the test value of step b), wherein a baseline value lower than the test value, in the case of the levels of expression of the nucleic acid sequences set forth in SEQ ID NO:29, 30, 31, 32, 33, 34, 35 or 36, ~~mRNA transcribed therefrom or protein encoded thereby~~ and higher than the test value, in the case of the levels of expression of the nucleic acid sequences set forth in SEQ ID NO:37 or 38, ~~mRNA transcribed therefrom or protein encoded thereby~~ predicts that the kidney transplanted test subject has an increased risk of developing CR.

Claim 2. (Previously Presented) The method according to claim 1, wherein renal allograft tissue biopsy of the transplanted control subject is obtained from the control subject at the day of transplantation.

Claim 3. (Currently Amended) A method for monitoring CR in a kidney transplanted subject at risk of developing CR, comprising:

a) assaying the levels of expression of the nucleic acid sequences set forth in SEQ ID NOs:29, 30, 31, 32, 33, 34, 35, 36, 37, and 38, ~~mRNA transcribed therefrom or protein encoded thereby~~ in a renal allograft tissue biopsy sample obtained from a kidney transplanted subject prior to exposure to transplant therapy;

b) assaying the levels of expression of the nucleic acid sequences set forth in SEQ ID NOs:29, 30, 31, 32, 33, 34, 35, 36, 37, and 38, ~~mRNA transcribed therefrom or protein encoded thereby~~ in at least one renal allograft tissue biopsy sample obtained from the kidney transplanted subject after exposure to transplant therapy; and

c) comparing the levels of expression detected in step a) and step b), wherein an increase in the levels detected in step b) in comparison to the levels detected in step a) in the case of the levels of expression of the nucleic acid sequences set forth in SEQ ID NOs:29, 30, 31, 32, 33, 34, 35 and 36, ~~mRNA transcribed therefrom or protein encoded thereby~~ and a decrease in the levels detected in step b) in comparison to the levels detected in step a) in the case of the levels of expression of the nucleic acid sequences set forth in SEQ ID NO: 37 and 38, ~~mRNA transcribed therefrom or protein encoded thereby~~ indicates an increased likelihood of developing CR.

Claims 4-14. (Canceled).

Claim 15. (Previously Presented) The method of claim 1, wherein the renal allograft tissue biopsy obtained from the kidney transplanted test subject in step b) is obtained within 4 to 7 months post-transplantation.

Claim 16. (Previously Presented) The method of claim 15, wherein the renal allograft tissue biopsy obtained from the kidney transplanted test subject in step b) is obtained at about 6 months post-transplantation.

Claim 17. (Previously Presented) The method of claim 3, wherein the at least one renal allograft tissue biopsy sample obtained from the kidney transplanted subject in step b) is obtained within 4 to 7 months post-transplantation.

Claim 18. (Previously Presented) The method of claim 17, wherein the at least one renal allograft tissue biopsy sample obtained from the kidney transplanted subject in step b) is obtained at about 6 months post-transplantation.